Index of Claims

| Appli | cation | No. |
|-------|--------|-----|

09/677,445 Examiner

Applicant(s)

MARTINSEN ET AL.

Art Unit

Nhon (Gary) D Nguyen

2179

Rejected Allowed

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| Ν | Non-Elected  |
|---|--------------|
| _ | Interference |

| A | Appeal   |
|---|----------|
| 0 | Objected |

|  |                                  |                |          |                    |          | _              | ı  |          | _            |          |
|--|----------------------------------|----------------|----------|--------------------|----------|----------------|--|----------|--------------|----------|
| Cla  | im                               | Г              | _        |                    |          | Date           |  | -101     |              |          |
| Final  | Original                         | 3/4/05         |          |                    |          |                |  |          |              |          |
|  | 1                                | 7              | $\vdash$ |                    |          |                |  | _        |              | $\vdash$ |
|  | 2                                | 7              | Т        |                    |          |                |  | _        |              | $\vdash$ |
|  | 3                                | 1              |          |                    |          |                |  |          |              |          |
|  | 4                                | 1              |          |                    |          |                |  |          |              |          |
|  | 1<br>2<br>3<br>4<br>5            | 1              |          |                    |          |                |  |          |              |          |
|  | 6                                | ٧              |          |                    |          |                |  |          |              |          |
|  | 7<br>8                           | 7              | _        |                    |          |                |  |          |              |          |
|  | _8_                              | ٧,             | _        |                    | _        |                | _  |          |              | <u> </u> |
|  | 9                                | 7              | _        | _                  |          |                | <u> </u>   |          |              |          |
|  | 10                               | 7              | -        | H                  |          |                | -  |          |              |          |
|  | 17                               |                | $\vdash$ | H                  | H        | $\vdash$       | $\vdash$   | -        | _            |          |
|  | 10<br>11<br>12<br>13<br>14<br>15 | 1              | $\vdash$ | ⊢                  | $\vdash$ | $\vdash$       | H  |          |              | $\vdash$ |
|  | 14                               | Ì              | $\vdash$ | $\vdash$           | -        | $\vdash$       | H  |          | -            | H        |
|  | 15                               | 7 7            | $\vdash$ | $\vdash$           |          | $\vdash$       | H  | H        | Н            |          |
|  | 16                               | 1              |          |                    |          | $\vdash$       | H  |          |              |          |
|  | 17                               | 1              |          | Г                  | $\vdash$ | T              |  |          |              |          |
|  | 18                               | <b>√</b>       |          |                    |          |                |  |          |              |          |
|  | 19                               |                |          |                    |          | <u> </u>       |  |          |              |          |
|  | 17<br>18<br>19<br>20             | 1              |          |                    |          |                |  |          |              |          |
|  | 21<br>22                         | 1              |          |                    |          |                |  |          |              |          |
|  | 22                               | 1              | _        |                    | L        | _              |  | L        |              |          |
|  | 23<br>24                         | 1              | <u> </u> | _                  |          | <u> </u>       | $ldsymbol{ld}}}}}}$ | <u> </u> | <u> </u>     |          |
|  | 24                               | 1              |          | _                  |          |                | _  | _        | _            |          |
|  | 25                               | 1              | <u> </u> | -                  | <u> </u> | <del> </del> — | <u> </u>   | <u> </u> | <del> </del> | _        |
| <u> </u>   | 26                               | 1              | _        | ⊢                  | <u> </u> | ⊢              | -  |          | ├—           | _        |
|  | 26<br>27<br>28                   |                |          | ┢                  | $\vdash$ | ┢              | $\vdash$   |          | ├-           |          |
| <del>                                     </del> | 20                               | 7              |          |                    | $\vdash$ | $\vdash$       | $\vdash$   | ⊢        | $\vdash$     | $\vdash$ |
| -  | 29<br>30                         | <del>  `</del> |          | ├-                 | -        | -              | $\vdash$   | $\vdash$ | ┝            | <u> </u> |
|  | 31                               |                | $\vdash$ | $\vdash$           |          | _              | -  | _        | -            | <u> </u> |
|  | 31<br>32                         |                |          | -                  |          | -              |  | _        | $\vdash$     |          |
|  | 33                               |                |          |                    | Г        |                |  |          |              |          |
|  | 34<br>35                         |                |          |                    |          |                |  |          |              |          |
|  | 35                               |                |          |                    | Ĺ        |                |  |          |              |          |
|  | 36                               | Ш              | <u> </u> | $oxedsymbol{oxed}$ | Ĺ        |                |  |          |              |          |
|  | 37                               | <u> </u>       | <u> </u> | _                  | L        | <u> </u>       |  |          | L            | Щ        |
|  | 38                               | $\vdash$       | <u> </u> |                    | L        | $\vdash$       | _  | _        | <u> </u>     | Щ        |
|  | 39                               | <u> </u>       | <u> </u> |                    | <u> </u> |                | H  | H        | $\vdash$     | Н        |
|  | 40                               | $\vdash$       | -        | $\vdash$           | -        | $\vdash$       | <u> </u>   | _        | <u> </u>     | $\vdash$ |
| $\vdash$   | 41                               | $\vdash$       | $\vdash$ | $\vdash$           | $\vdash$ | $\vdash$       | _  | _        | $\vdash$     | -        |
| $\vdash$   | 43                               | $\vdash$       | -        |                    |          |                | H  | -        | $\vdash$     | H        |
| $\vdash$   | 44                               | $\vdash$       | $\vdash$ | -                  | -        | -              | -  | -        | $\vdash$     |          |
|  | 45                               | Н              | $\vdash$ | Н                  | Н        |                | Н  |          | $\vdash$     | H        |
|  | 46                               |                | $\vdash$ | _                  |          | Г              |  | _        | $\vdash$     | $\vdash$ |
|  | 47                               |                |          |                    |          |                |  |          |              |          |
|  | 48                               |                |          |                    |          |                |  |          |              |          |
|  | 49                               |                |          |                    |          |                |  |          |              |          |
| 1  | 50                               | 1              | i        | ı –                |          | ı 🗀            |  |          | 1            |          |

| Cla       | im       |            |   |              |          | Date     | <del>-</del> |          |  |          |     | Cla           | im       |                 |          |   | -{ | Date     | 3        |   |                |                 |
|-----------|----------|------------|---|--------------|----------|----------|--------------|----------|--|----------|-----|---------------|----------|-----------------|----------|---|----|----------|----------|---|----------------|-----------------|
|           | Originał | 3/4/05     |   |              |          |          |              |          |  |          |     | Final         | Original |                 |          |   |    |          |          |   |                |                 |
| 4         |          |            |   |              |          |          | L            |          |  |          |     |               |          | $\Box$          | _        |   |    |          |          |   |                |                 |
|           | 1_       | 1          |   | _            | _        | _        | _            |          |  | <u> </u> |     |               | 51       | $\dashv$        |          |   |    |          |          |   |                |                 |
| -         | 2        | 7          |   |              |          | $\vdash$ |              | _        |  | <u> </u> |     |               | 52       | $\dashv$        | _        |   |    |          |          |   | Ш              |                 |
| $\dashv$  |          | √<br> <br> |   |              | -        |          | H            |          |  |          |     |               | 53       | $\dashv$        | -        |   |    |          | -        |   | Н              |                 |
| $\dashv$  | 4<br>5   | 7          |   |              | _        | H        |              |          |  | -        |     |               | 54       | $\vdash$        | -        |   |    |          | _        |   | Н              | $\vdash$        |
| $\dashv$  | 6        | 1          |   | -            | $\vdash$ | $\vdash$ |              |          |  | -        |     |               | 55<br>56 | $\dashv$        | -        |   |    |          |          |   | $\vdash\vdash$ |                 |
| $\dashv$  | 7        | 7          |   |              |          | _        | $\vdash$     |          |  |          |     |               | 57       | $\dashv$        | $\dashv$ | _ |    | -        |          | _ | $\vdash$       | $\vdash$        |
| -         | 8        | 1          |   |              | <u> </u> | $\vdash$ |              |          | -  | $\vdash$ |     | $\neg \dashv$ | 58       |                 |          |   |    |          |          |   | H              |                 |
| $\dashv$  | 9        | 1          |   |              | -        |          | -            |          |  | ┢        |     |               | 59       | $\dashv$        | $\neg$   |   |    |          |          |   | Н              |                 |
| 7         | 10       | Ī          |   |              | _        |          |              |          |  | -        |     |               | 60       | -               | $\neg$   | - |    |          | _        |   | Н              |                 |
| ┪         | 11       | V          |   |              |          |          |              |          |  | Т        |     |               | 61       | $\Box$          |          | _ |    |          |          |   | П              | $\neg$          |
| ┪         | 12       | 1          |   |              |          |          |              |          |  |          | İ   |               | 62       |                 |          |   |    |          |          |   |                | _               |
| $\exists$ | 13       | 1          |   |              |          |          |              |          |  | Т        |     |               | 63       |                 |          |   |    |          |          |   | П              |                 |
|           | 14       | <b>V</b>   |   |              |          |          |              |          |  |          |     |               | 64       | П               |          |   |    |          |          |   | П              |                 |
|           | 15       | 1          |   |              |          |          |              |          |  |          |     |               | 65       |                 |          |   |    |          |          |   |                |                 |
|           | 16       | 1          |   |              |          |          |              |          |  |          |     |               | 66       |                 |          |   |    |          |          |   |                |                 |
|           | 17       | 1          |   |              |          |          |              |          |  |          |     |               | 67       |                 |          |   |    |          |          |   |                |                 |
|           | 18       | 1          |   |              |          |          |              |          | L  |          |     |               | 68       |                 |          |   |    |          |          |   |                |                 |
|           | 19       | 7          |   | L            |          |          |              |          | _  | L.       |     |               | 69       |                 |          |   |    |          |          |   | Ш              | Ш               |
| _         | 20       | 1          |   |              |          |          |              |          |  |          | ļ   |               | 70       |                 |          |   |    |          |          |   | Ш              |                 |
| _         | 21       | 1          |   |              |          |          |              |          | _  |          |     |               | 71       |                 |          |   |    |          |          |   | Ш              |                 |
| _         | 22       | 7          |   | _            | _        | _        | _            | <u> </u> |  | _        |     |               | 72       | Щ               |          |   |    |          |          |   | Ш              | Ш               |
| 4         | 23       | 7          |   | _            | <u> </u> | <u> </u> | _            | <u> </u> | <u> </u>   |          |     |               | 73       | $\Box$          |          |   |    | _        |          |   | Ш              |                 |
| 4         | 24       | 7          |   | _            |          |          | _            | _        | _  |          |     |               | 74       | $\sqcup$        |          |   |    | _        | _        |   | $\vdash$       | $\dashv$        |
| $\dashv$  | 25       | 7          | _ | <del> </del> | ⊢        |          | <del> </del> |          | <del> </del> -                                   | -        |     |               | 75       | $\vdash$        | _        |   |    | <u> </u> |          |   | Н              |                 |
| $\dashv$  | 26<br>27 | √<br>√     |   | -            |          | _        | -            | -        | ├—   |          | 1   |               | 76<br>77 | $\vdash$        |          |   |    | _        |          |   | H              | _               |
| $\dashv$  | 28       | 7          |   | $\vdash$     | $\vdash$ | $\vdash$ |              |          | -  |          | }   |               | 78       | $\dashv$        | -        |   | _  | _        | _        |   | Н              | -               |
| ᅥ         | 29       | 7          |   | $\vdash$     | $\vdash$ | $\vdash$ | $\vdash$     | $\vdash$ | ┢  | $\vdash$ | }   |               | 79       | $\vdash$        | -        | _ |    | _        | -        |   | $\vdash$       | -               |
| ┪         | 30       | <u> </u>   |   | -            | -        | -        |              | $\vdash$ | $\vdash$   |          | ŀ   |               | 80       | H               |          |   |    | -        |          |   |                |                 |
| 7         | 31       | _          | _ | $\vdash$     |          | -        | _            | _        | <del>                                     </del> | 1        | ŀ   |               | 81       | $\dashv$        | _        |   |    |          |          | _ | Н              | $\dashv$        |
|           | 32       |            |   | _            |          |          |              |          | ┢  |          | Ì   |               | 82       | _               |          |   |    |          |          |   | П              | П               |
| 7         | 33       |            |   |              |          |          |              |          |  | <u> </u> | Ì   |               | 83       |                 |          |   |    |          |          |   |                |                 |
|           | 34       |            |   |              |          |          |              |          |  |          |     |               | 84       |                 |          | _ |    |          | $\neg$   |   |                |                 |
|           | 35       |            |   |              |          |          |              |          |  |          |     |               | 85       |                 |          |   |    |          | - "      |   |                |                 |
|           | 36       |            |   |              |          |          |              |          |  | Γ        |     |               | 86       |                 |          |   |    |          |          |   |                |                 |
| _         | 37       |            |   |              |          |          |              |          |  | L        |     |               | 87       |                 |          |   |    |          |          |   |                |                 |
| ╝         | 38       |            |   |              |          |          |              |          |  |          |     |               | 88       |                 |          |   |    |          |          |   |                |                 |
| _         | 39       | Ш          |   |              |          |          |              |          |  |          |     |               | 89       |                 | _        |   |    |          |          |   |                |                 |
| _         | 40       | Ш          |   |              | L_       |          |              |          | _  | _        |     |               | 90       |                 |          |   |    |          |          |   |                | Ш               |
| 4         | 41       | Ш          |   |              |          |          |              | _        | <u> </u>   | <u> </u> |     |               | 91       |                 |          |   |    |          |          |   |                | Щ               |
| 4         | 42       |            |   |              |          |          |              |          | _  |          |     |               | 92       |                 |          |   |    |          |          |   | Ш              | Щ               |
| _         | 43       |            |   | -            | _        |          |              |          | <u> </u>   |          |     |               | 93       |                 |          |   |    | _        |          | _ | Ш              | -               |
| 4         | 44       | $\vdash$   |   | H            | H        |          | -            |          | $\vdash$   | ├        |     |               | 94       | $\vdash$        | _        |   |    |          | Ш        |   | Н              | Н               |
| 4         | 45       | Н          |   |              | -        | Н        | -            | <u> </u> | <u> </u>   | $\vdash$ |     |               | 95       | $\vdash \vdash$ |          | _ | _  |          | $\vdash$ | _ | $\vdash\vdash$ | $\vdash$        |
| $\dashv$  | 46<br>47 | H          |   | H            | H        | -        | ┝            |          | <del> </del>                                     | -        |     |               | 96       | $\vdash$        |          |   |    | $\vdash$ | $\vdash$ |   | Н              | Н               |
| -         | 48       | Н          |   | $\vdash$     | <u> </u> | H        | -            | -        | $\vdash$   | $\vdash$ |     |               | 97<br>98 |                 | _        |   |    | $\vdash$ | $\vdash$ | _ | $\vdash$       | $\vdash\vdash$  |
| $\dashv$  | 49       | H          |   | $\vdash$     | $\vdash$ | -        | <del> </del> | Ι—       | $\vdash$   | $\vdash$ |     | -             | 99       | H               |          |   |    | $\vdash$ | $\vdash$ |   | $\vdash$       | Н               |
| $\dashv$  | 50       | $\vdash$   |   | -            | $\vdash$ | $\vdash$ | H            | -        | -  | $\vdash$ |     |               | 100      | $\vdash \vdash$ | $\dashv$ | _ |    | -        | $\dashv$ | - |                | $\vdash \dashv$ |
| _!        |          | ш          |   | L            |          | Щ        |              | _        |  | <u> </u> | ı l |               | .50      |                 |          |   |    |          |          |   | ш              | ш               |

|          | Claim Date   |              |              |  |          |          |              |              |              | $\neg$          |
|----------|--|--------------|--------------|--|----------|----------|--------------|--------------|--------------|-----------------|
| Cli      |  | Н            |              | _  | _        | Date     | _            |              |              | ႕               |
| Final    | Original   |              |              |  |          |          |              |              |              |                 |
|          | 101<br>102   |              |              |  |          |          |              |              |              |                 |
|          | 102  |              | _            |  | _        | _        |              |              | <u></u>      | Щ               |
|          | 103  |              | _            | _  |          | _        |              |              |              | Н               |
|          | 104  | $\vdash$     | _            | _  |          | _        |              | H            | _            | Н               |
|          | 103<br>104<br>105<br>106   | $\vdash$     | _            |  |          | -        |              |              | _            | $\vdash$        |
|          | 107  | $\vdash$     |              |  |          | H        |              |              | -            | Н               |
|          | 108  |              | _            |  |          |          |              |              |              | Н               |
|          | 109<br>110   |              |              |  |          |          |              |              |              | П               |
|          | 110  |              |              |  |          |          |              |              |              |                 |
|          | 111  |              |              |  |          | <u> </u> |              |              |              |                 |
| <u> </u> | 111<br>112<br>113<br>114<br>115  |              | L            |  |          | _        |              | L            | <u> </u>     | Щ               |
|          | 113  | $\vdash$     | _            |  |          | <u> </u> | _            | $\vdash$     |              | Н               |
|          | 114  | -            | -            |  | _        | ⊢        | -            |              | -            | Н               |
|          | 116  | -            | ⊢            | $\vdash$   |          | ┝─       | -            | ┝            | <del> </del> | Н               |
|          | 116<br>117   |              |              | Н  | $\vdash$ | $\vdash$ | $\vdash$     | $\vdash$     | $\vdash$     | Н               |
|          | 118  |              |              |  |          |          |              |              |              | П               |
|          | 119  |              |              |  |          |          |              |              |              |                 |
|          | 120  |              |              |  |          |          |              |              |              |                 |
|          | 121  |              | _            |  | L        | <u> </u> |              | _            |              | Щ               |
|          | 122  | <u> </u>     | <u> </u>     | <u> </u>   | _        | _        | <u> </u>     | _            |              | $\sqcup$        |
|          | 123  | L            | _            | ┡  | _        | <u> </u> | <u> </u>     | _            |              | Н               |
|          | 124  | ⊢            |              | ⊢  | ┝        | ⊢        | ⊢            | $\vdash$     |              | $\vdash \vdash$ |
|          | 119<br>120<br>121<br>122<br>123<br>124<br>125<br>126<br>127<br>128<br>129<br>130 |              | <del> </del> | <del>                                     </del> | -        | -        | $\vdash$     | $\vdash$     |              | Н               |
|          | 127  | -            | _            | -  | ┢        | ┝        |              | -            |              | $\vdash$        |
|          | 128  |              |              |  |          |          |              | <u> </u>     |              |                 |
|          | 129  |              |              |  |          |          |              |              |              |                 |
|          | 130  |              |              |  |          |          |              |              |              |                 |
|          | 131<br>132<br>133  | _            |              |  | <u></u>  | <u> </u> | L.           | _            | _            | Щ               |
|          | 132  | _            | _            |  | _        | _        | _            |              | ļ            | Щ               |
|          | 133  | $\vdash$     | $\vdash$     | $\vdash$   | H        | $\vdash$ | $\vdash$     | $\vdash$     | $\vdash$     | Н               |
|          | 135  | <del> </del> | $\vdash$     |  | $\vdash$ | $\vdash$ | $\vdash$     | _            | $\vdash$     | Н               |
|          | 135<br>136   | <u> </u>     | -            | -  |          | $\vdash$ | $\vdash$     |              | $\vdash$     | Н               |
|          | 137  |              | _            | <b>-</b>   |          | Н        | -            | $\vdash$     | $\vdash$     | H               |
|          | 138  |              |              |  |          |          |              |              |              |                 |
|          | 139  |              |              |  |          |          |              |              |              |                 |
|          | 140  |              |              |  |          |          |              |              |              | Ш               |
| ļ        | 141  | <u> </u>     | _            |  |          |          | L.           | L            | _            | Щ               |
|          | 142  | -            | <b></b>      | <u> </u>   | <u> </u> |          | _            | <u> </u>     | <u> </u>     | Щ               |
|          | 143<br>144   | H            | _            | H  |          |          | -            | <u> </u>     | <u> </u>     | ${oxed{H}}$     |
| $\vdash$ | 145  |              | $\vdash$     | -  | _        |          | $\vdash$     | $\vdash$     | $\vdash$     | $\vdash \vdash$ |
|          | 146  | H            | H            | -  | -        |          | <del> </del> | <del> </del> | $\vdash$     | Н               |
|          | 147  | Н            |              | H  |          |          |              |              | $\vdash$     | H               |
|          | 148  | Г            | $\vdash$     | _  |          | _        | $\vdash$     |              | $\vdash$     | Н               |
|          | 149  |              |              |  |          |          |              |              |              |                 |
|          | 150  |              |              |  |          |          |              |              |              |                 |